BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work : Improvements to road & drain at 17th Main Depot Muniswamappa Layout K.G halli and surrounding area in Ward No.12 Shettyhalli, Shettyhalli Sub Division.

Job Code-012-18-000006

Est .Cost Rs.50.00 Lakhs

	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
2	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **P. No. 142/ It No. 19.1/ PWD SR 2016-17**								
	For drain	Cum							
	17th Main Depot Muniswamappa L/o R/s		2	329.00	1.10	1.00	723.80		
	For culverts		1	7.00	1.65	1.00	11.55		
							735.35	175.96	**129392.00**
	Basic Rate	**82.00**							
	add loading & unloading charges	68.00							
	lead for 5 km=5*1.28*2.5	16.00							
	Total	166.00							
	add AW 6%	9.96							
		175.96							
	KSRB 4-1.3 : **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
	17th Main Depot Muniswamappa L/o R/s	cum	2	329.00	1.10	0.15	108.57		
	For culverts		2	7.00	1.65	0.15	3.47		
							112.04	5159.02	**577991.00**
	Basic Rate	4867.00							
	Add A.W 6%	292.02							
	Total	**5159.02**							
3	KSRB 4.2.2 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed - 2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 **,P.13/I.4.11/ PWD SR 2016-17**								

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	For drain bottom	Cum							
	17th Main Depot Muniswamappa L/o R/s		2	329.00	1.00	0.15	98.70		
	For culverts		2	7.00	1.50	0.15	3.15		
	side wall								
	17th Main Depot Muniswamappa L/o R/s		4	329.00	0.15	0.60	118.44		
	For culverts		4	7.00	0.30	0.70	5.88		
	culvert deck slab		2	7.00	1.20	0.23	3.86		
	ramp		2	7.50	0.90	0.12	1.62		
							231.65	6371.66	**1476021.00**
	Basic Rate	6011.00							
	Add A.W 6%	360.66							
	Total	**6371.66**							
4	KSRB 4-6.4 : **Providing and removing centering, shuttering**, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.15/ Item No. 4.31/ PWD SR 2016-17**								
	17th Main Depot Muniswamappa L/o R/s	**sqm**	6	329.00		0.70	1381.80		
	For culverts		8	7.00		0.75	42.00		
			2	7.00	0.60		8.40		
			2	18.20		0.23	8.37		
							1440.57	310.58	**447413.00**
	Basic Rate	293.00							
	Add A.W 6%	17.58							
	Total	**310.58**							
5	KSRB 4.9.2: **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars **Fe 500**. **Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17**								
	for drain	Tonnes		227.79	x	60 kgs	13667.40		
	for cd's			3.86	x	70kgs	27.05		
							13694.45		
					or say		**13.69**	64243.42	**879778.00**
	Basic Rate	60607.00							
	Add A.W 6%	3636.42							
	Total	**64243.42**							
6	**Providing & laying reinforeced cement precast slabs** of mix **CC 1:11/2:3** using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
		Sqm	2	329.00		0.90	592.20		
							592.20	1680.00	**994896.00**
	Approved Rate of Precast slab	**1680.00**							

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7	Sub Total								4505491.00
8	Add TP and other charges								494000.00
9	Miscellaneous and unforeseen charges								509.00
								Total	5000000.00

(Rupees Fifty Lakhs only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಸಂ. EE/DD/AS/664/2017-18 ದಿನಾಂಕ : 26.12.17
ರೂ. 50.00 Lakhs
Rupees fifty Lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.
P-3332

ನಂ.CE/TS/414/17-18 ದಿನಾಂಕ : 27/02/2017
ರೂ. ರೂ 50.00 lakhs only.
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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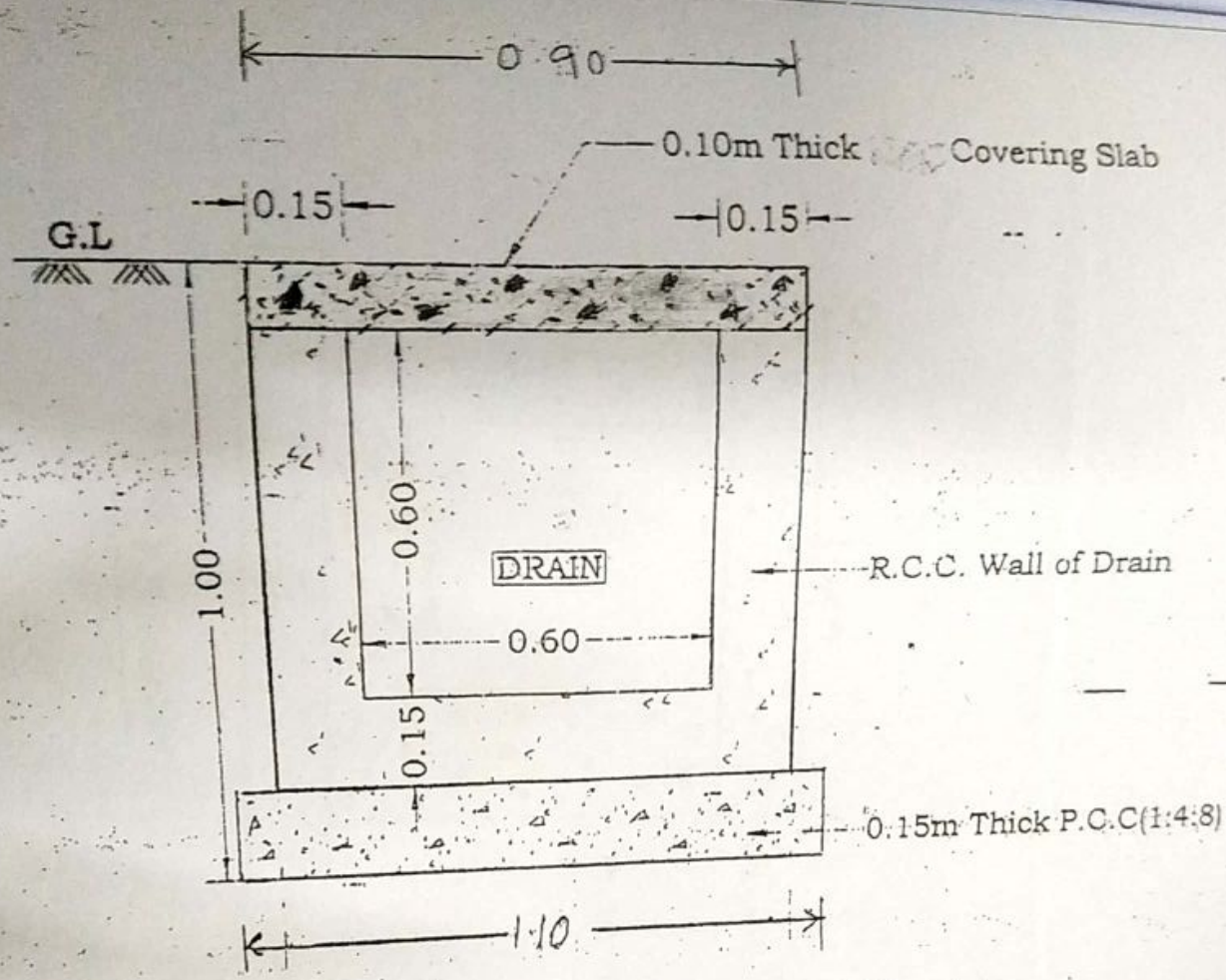

CROSS SECTION OF R.C.C. DRAIN

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾ ?
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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